

Flight Summary Pre-AVE Flights

To ftp for the nav data:

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The directory is: WB5F_Processed / Pre_Ave_Mission

Flight Summary Pre-AVE Flights

General Information

Flight date – 24 Jan 2004

Flight description –Flight #4 for the Pre-AVE mission

Flight duration – 4h 46 m

Crew – Scott Reagan (x49826) and Shelley Baccus (x49807)

Instruments flown: ALIAS, ARGUS, CAPS, DU FCAS, DU MACS, DU NMASS, Frost Point, HU_CO2, JLH, MTP, NOAA CIMS, NOAA CH4, NOAA O3, PANTHER, PTW, PALMS, Total Water, VIPS, Water Vapor, WAS

Instruments not flown: none

Flight Log

Before Taxi	13:03	Takeoff	13:13
Climb/5000	13:16	Landing	17:59

Gear extension/retractions

Gear Up	13:13	17:34
Gear Down	17:25	17:36

Weather Observations

- On climb: Low dry clouds. Clear by ~10,000 ft and then another small layer ~15,000 ft. Thin clouds around FL280 at 13:24.
- Cruise: Clear.
- On descent: Clouds and moderate turbulence starting at 17:46 at 9000 ft and also at 17:48.

Flight Profile

Leg	Alt	Start	Finis h	Then
1	FL 570	13:56	14:16	Descend
2	FL 480	14:24	14:44	Climb
3	FL 580	14:59	15:20	Descend
4	FL 480	15:28	15:51	Climb
5	FL 600	16:07	16:28	Descend
6	FL 480	16:37	16:57	Climb
7	FL 595	17:09	17:17	RTB

Instrument Notes

- Data recorder was turned ON at 13:03.
- PALMS power was turned ON at 13:05.
- WAS 1 ON at 56700 ft 13:56. WAS 2 ON at 17:28 at 30,000 ft.
- ALIAS fail light came on and was reset at 13:25. OK after.
- MACS fail light came on at 15:06. Fail sequences were run at 15:07, 15:16, 15:24 and 15:32. The instrument was kept ON.
- Frostpoint fail light came on at 16:37 and reset itself by 16:39. The light came on again at 16:40 and was off by 16:41.
- CAPS fail light came on at 16:42. The light went off and back on at 16:43. The failure sequence was run at 16:44. The light went out after ~ 1.5 minutes.
- CIMS fail light flashed several times at 17:01 and then stayed on. Failure sequence was started at 17:01. CIMS fail light flashed a few times at 17:35. Failure sequence was begun at 17:36.
- VIPS fail light came on at 17:18. Fail sequence began at 17:24